

```

UUU      UUU  EEEEEEEEEEEEEEE  TTTTTTTTTT TTTT  PPPPPPPPPPP  SSSSSSSSSSS  YYY      YYY
UUU      UUU  EEEEEEEEEEEEEEE  TTTTTTTTTT TTTT  PPPPPPPPPPP  SSSSSSSSSSS  YYY      YYY
UUU      UUU  EEEEEEEEEEEEEEE  TTTTTTTTTT TTTT  PPPPPPPPPPP  SSSSSSSSSSS  YYY      YYY
UUU      UUU  EEE              TTT      PPP      PPP  SSS      YYY      YYY
UUU      UUU  EEE              TTT      PPP      PPP  SSS      YYY      YYY
UUU      UUU  EEE              TTT      PPP      PPP  SSS      YYY      YYY
UUU      UUU  EEE              TTT      PPP      PPP  SSS      YYY      YYY
UUU      UUU  EEE              TTT      PPP      PPP  SSS      YYY      YYY
UUU      UUU  EEE              TTT      PPP      PPP  SSS      YYY      YYY
UUU      UUU  EEE              TTT      PPP      PPP  SSS      YYY      YYY
UUU      UUU  EEE              TTT      PPP      PPP  SSS      YYY      YYY
UUU      UUU  EEEEEEEEEEEEEEE  TTT      PPPPPPPPPPP  SSSSSSSSS  YYY
UUU      UUU  EEEEEEEEEEEEEEE  TTT      PPPPPPPPPPP  SSSSSSSSS  YYY
UUU      UUU  EEEEEEEEEEEEEEE  TTT      PPPPPPPPPPP  SSSSSSSSS  YYY
UUU      UUU  EEE              TTT      PPP      SSS      YYY
UUU      UUU  EEE              TTT      PPP      SSS      YYY
UUU      UUU  EEE              TTT      PPP      SSS      YYY
UUU      UUU  EEE              TTT      PPP      SSS      YYY
UUU      UUU  EEE              TTT      PPP      SSS      YYY
UUU      UUU  EEE              TTT      PPP      SSS      YYY
UUUUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE  TTT      PPP      SSSSSSSSSSS  YYY
UUUUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE  TTT      PPP      SSSSSSSSSSS  YYY
UUUUUUUUUUUUUUUUUU  EEEEEEEEEEEEEEE  TTT      PPP      SSSSSSSSSSS  YYY

```

[illegible]

[illegible]

(1)	52	DECLARATIONS
(1)	186	SATSSF15
(1)	273	SFDCH20
(1)	295	SFDCH21
(1)	317	SFDCH22
(1)	344	SFCEH10
(1)	371	SFADS10
(1)	393	SFADS11
(1)	415	SFADS12
(1)	478	EXECUTE & CLEANUP
(1)	487	TC CONTROL
(1)	568	SUBROUTINES


```
0000 1 .TITLE SATSSF15 - SATS SYSTEM SERVICE TESTS (FAILING S.C.)
0000 2 .IDENT 'V04-000'
0000 3
0000 4
0000 5 *****
0000 6
0000 7 *
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0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 :++
0000 30 : FACILITY: SATS SYSTEM SERVICE TESTS
0000 31
0000 32 : ABSTRACT: THE SATSSF15 MODULE TESTS THE EXECUTION OF CERTAIN
0000 33 : VMS SYSTEM SERVICES, INVOKED IN SUCH A WAY AS TO EXPECT FAILING
0000 34 : STATUS CODES. THE SYSTEM SERVICES TESTED AND THE STATUS CODES
0000 35 : EXPECTED ARE SUMMARIZED AS ARGUMENTS TO THE TESTSERV MACROS
0000 36 : WHICH APPEAR NEAR THE END OF THIS LISTING. SUCCESSFUL STATUS
0000 37 : CODES ARE TESTED IN OTHER MODULES.
0000 38
0000 39
0000 40 : ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE,
0000 41 : DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
0000 42
0000 43 : AUTHOR: THOMAS L. CAFARELLA, CREATION DATE: MMM, 1978
0000 44 : PAUL D. FAY (DISPSERV & TESTSERV MACROS)
0000 45
0000 46 : MODIFIED BY:
0000 47
0000 48 : : VERSION
0000 49 : 01 -
0000 50 : --
```

```
0000 52 .SBTTL DECLARATIONS
0000 53 :
0000 54 : INCLUDE FILES:
0000 55 :
0000 56 $PHDDEF : PROCESS HEADER OFFSET SYMBOLS
0000 57 $PCBDEF : PROCESS CONTROL BLOCK OFFSET SYMBS
0000 58 $STSDEF : STATUS MESSAGE SYMBOLS
0000 59 $PRVDEF : SYMBOL DEFS FOR PRIVILEGES
0000 60 $UETPDEF : UETP MSG CODE DEFINITIONS
0000 61 $SHR_MESSAGES UETP,116,<<TEXT,INFO>>
0000 62 :
0000 63 : DEFINE UETP$ TEXT
0000 64 $PSLDEF : GET RID OF MACRO DEFINITIONS
0000 65 : ACCESS MODE SYMBOLS
0000 66 :
0000 67 : MACROS:
0000 68 :
0000 69 : EQUATED SYMBOLS:
0000 70 :
00000000 0000 71 WARNING = 0 : WARNING SEVERITY VALUE FOR MSGS
00000001 0000 72 SUCCESS = 1 : SUCCESS SEVERITY VALUE FOR MSGS
00000002 0000 73 ERROR = 2 : ERROR SEVERITY VALUE FOR MSGS
00000003 0000 74 INFO = 3 : INFORMATIONAL SEV VALUE FOR MSGS
00000004 0000 75 SEVERE = 4 : SEVERE (FATAL) SEV VALUE FOR MSGS
00000000 0000 76 TCG_NO = 0 : INITIALIZE TEST CASE GROUP NUMBER
00000000 0000 77 GRP_TOTAL = 0 : INITIALIZE TEST CASE GROUP TOTAL
00007FFF 0000 78 R0 THRU SP = ^M<R0,R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP,SP>
00000001 0000 79 PRVHND_DCH20 = 1 : PRVHND ARG FOR DCLCMH (LOCATION 1)
0000 80 :
0000 81 : OWN STORAGE:
0000 82 :
```

```
00000000 84 .PSECT RODATA, RD, NOWRT, NOEXE, LONG
BFFC 0000 85 REG_COMP_MASK: .WORD ^M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,AP,FP> ! ^X8000 -
      0002 86 : REG COMPARE MASK (HIGH-ORDER ...
      0002 87 : ... BIT MUST BE ON
      0002 88 ERR_MSG_FAOCTL: STRING I,<!/!AC!1ZB!1ZB: REGISTER !2UW CONTENTS ALTERED>, -
      0002 89 <: BEFORE SERVICE CALL: !8XL AFTER SERVICE CALL: !8XL>
      006E 90 TEST_MOD_NAME: STRING C,<SATSSF15> : TEST MODULE NAME
      0077 91 TEST_MOD_BEG: STRING C,<begun> : DISPOSITION FIELD OF TEST MOD MSG
      007D 92 TEST_MOD_SUCC: STRING C,<successful> : DISPOSITION FIELD OF TEST MOD MSG
      0088 93 TEST_MOD_FAIL: STRING C,<failed> : DISPOSITION FIELD OF TEST MOD MSG
      008F 94 TEST_MOD_NAME_D: STRING I,<SATSSF15> : TEST MODULE NAME DESCRIPTOR
      009F 95 TTNAME: STRING I,<TT> : TERMINAL LOGICAL NAME
00000000'00000000' 00A9 96 INADR: .LONG NOACCESS,NOACCESS : PAGE ADDRESS OF NOACCESS PSECT
      00000000' 00B1 97 PROT: .LONG PRTSC_NA : PROTECTION CODE FOR NOACCESS PSECT
FFFFFFFF FFFFFFFF 00B5 98 ONES: .LONG -1,-1 : A QUADWORD OF 1-BITS
      00BD 99 ADDRES_DCH: : ADDRES ARGUMENT FOR DCLCMH
      0000 00BD 100 .WORD 0 : ENTRY MASK FOR DCLCMH SERVICE
      02 00BF 101 REI : RETURN INSTRUCTION FOR DCLCMH SERV
000000C4 00C0 102 PRVHND_DCH21: .BLKL 1 : PRVHND ARGUMENT FOR DCLCMH
00000000 00C4 103 TYPE_DCH: .LONG 0 : TYPE ARGUMENT FOR DCLCMH SERVICE
00000003 00C8 104 ACMODE_ADS: .LONG PSL$C_USER : ACMODE ARGUMENT FOR ADJSTK
00000002 00CC 105 ACMODE_ADS10: .LONG PSL$C_SUPER : ACMODE ARGUMENT FOR ADJSTK
00000001 00D0 106 ACMODE_ADS11: .LONG PSL$C_EXEC : ACMODE ARGUMENT FOR ADJSTK
00000000 00D4 107 ACMODE_ADS12: .LONG PSL$C_KERNEL : ACMODE ARGUMENT FOR ADJSTK
00000000 00D8 108 ADJUST_ADS: .LONG 0 : ADJUST ARGUMENT FOR ADJSTK
```


			.PSECT	RWDATA, RD, WRT, NOEXE	
00000000	0000	110			: PROCESS ID FOR THIS PROCESS
00000004	0000	111	TPID:	.BLKL 1	: PTR TO CURRENT TEST CASE
00000008	0004	112	CURRENT TC:	.BLKL 1	: SAVE AREA FOR ALL REGS (SANS PC)
00000044	0008	113	REG_SAVE_AREA:	.BLKL 15	: TEST MODULE MSG CODE FOR PUTMSG
007480D9	0044	114	MOD_MSG CODE:	.LONG UETPS_SATSMS	: CLOBBED REG NO (FOR FAO ERR MSG)
0000004C	0048	115	CLOB_REG NO:	.BLKL 1	: REG CONTENTS BEFORE S.S.
00000050	004C	116	REG_BEFORE_SS:	.BLKL 1	: ... (FOR FAO ERROR MSG)
	0050	117			: REG CONTENTS AFTER S.S.
00000054	0050	118	REG_AFTER_SS:	.BLKL 1	: ... (FOR FAO ERROR MSG)
	0054	119			: ASCII PORTION OF TEST CASE NAME
	0054	120	\$\$TSTN\$\$:	STRING C, < SF >	: ADDR OF TEST MOD NAME FOR FAO
0000006E	005C	121	TMN_ADDR:	.ADDRESS TEST_MOD_NAME	: ADDR OF T.M. DISP FIELD FOR FAO
00000077	0060	122	TMD_ADDR:	.ADDRESS TEST_MOD_BEG	: ENTRY PNT FOR CURR TESTSERV MACRO
00000068	0064	123	TS_EP:	.BLKL 1	: RETURN LONGWORDS FOR SETPRT
00000070	0068	124	RETADR:	.BLKL 2	: PROT RETURN BYTE FOR SETPRT
00000071	0070	125	PRVPRT:	.BLKB 1	: ADDR OF PRIVILEGE MASK (IN PHD)
00000079	0071	126	PRIVMASK:	.BLKQ 1	: CHANGE MODE CONTINUE ADDRESS
0000007D	0079	127	CHM_CONT:	.BLKL 1	: AREA FOR COND INDEX REGS (R2-R6)
00000091	007D	128	REGS:	.BLKL 5	: PRVHND ARGUMENT FOR DCLCMH SERVICE
00000095	0091	129	PRVHND_DCH:	.BLKL 1	: DESBLK ARGUMENT FOR CANEXH
	0095	130	DESBK_CEH:		: DESBLK ARGUMENT FOR CANEXH
	0095	131	DESBK_CEH10:		: EXIT CONTROL BLOCK (LINK PTR)
00000099	0095	132		.BLKL 1	: ADDRESS OF ROUTINE ENTRY MASK
000000A9	0099	133		.ADDRESS 20\$: ARGUMENT COUNT
00000001	009D	134		.LONG 1	: ADDR OF REASON CODE FIELD
000000A5	00A1	135		.ADDRESS 10\$: REASON CODE FIELD
000000A9	00A5	136	10\$:	.BLKL 1	: EXIT HANDLER ENTRY MASK
0000	00A9	137	20\$:	.WORD 0	: EXIT HANDLER RETURN INSTR
04	00AB	138		RET	: NEWADR ARGUMENT FOR ADJSTK SERVICE
00000000	00AC	139	NEWADR_ADS:	.LONG 0	

```
00000000 141 .PSECT SATS_ACCVIO_1,RD,WRT,NOEXE,PAGE
00000200 0000 142 EMPTY: .BLKB 512 ; RESERVE A PAGE OF SPACE
          0200 143 :
          0200 144 : +
          0200 145 : *****
          0200 146 : *
          0200 147 : * THE ORDER OF STATEMENTS IN THIS PSECT IS CRITICAL. *
          0200 148 : * DO NOT RE-ARRANGE THE VARIABLES. CONSULT SATS *
          0200 149 : * FUNCTIONAL SPECIFICATION FOR A DESCRIPTION OF THE USE *
          0200 150 : * OF THE EMPTY PSECT (AND ITS COMPANION PSECT, NOACCESS). *
          0200 151 : *
          0200 152 : *****
          0200 153 : -
          0200 154 :
          0200 155 : TYPE AAAAA_SSSX1 (TYPE AAAAA_SSSX2 IF NOT DESC) GO HERE:
000001FF 0200 156 PRVHND_DCH22 = . - 1 ; PRVHND ARG FOR DCLCMH (LAST BYTE IN PAGE
000001F3 0200 157 = . - 13 ; ALLOW ROOM FOR STRING DESCRIPTOR
          01F3 158 ; TYPE AAAAA_SSSX5 GO HERE:
00000006 01F3 159 .LONG 6 ; STRING LENGTH (WILL CROSS PSECT BOUNDARY)
000001FB' 01F7 160 .ADDRESS +4 ; STRING ADDRESS
          01FB 161 ; TYPE AAAAA_SSSX3 GO HERE:
000001FC 01FB 162 .BLKB 1 ; LOW-ORDER BYTE OF STRING LENGTH
          01FC 163 ; TYPE AAAAA_SSSX2 GO HERE:
00000200 01FC 164 .BLKL 1 ; STRING LENGTH
          0200 165 :
          0200 166 :
          0200 167 :
          0200 168 :
00000000 169 .PSECT SATS_ACCVIO_2,RD,WRT,NOEXE,PAGE
00000200 0000 170 NOACCESS: .BLKB 512 ; RESERVE A PAGE OF SPACE
00000000 0200 171 = . - 512 ; RETURN LOC CTR TO BEGINNING OF PSECT
00000000' 0000 172 .ADDRESS EMPTY ; ADDRESS OF ACCESSIBLE STRING
00000000' 0004 173 .ADDRESS EMPTY/^X100 ; ADDRESS OF ACCESSIBLE STRING
          0008 174 :+
          0008 175 : *** NOTE -- DO NOT CHANGE LOCATION OR SEQUENCE OF ABOVE STATEMENTS!
          0008 176 : *** THIS PSECT (NOACCESS) MUST APPEAR IN MEMORY IMMEDIATELY
          0008 177 : *** FOLLOWING THE EMPTY PSECT. PSECT NAMES AND OPTIONS WILL BE
          0008 178 : *** CHOSEN TO FORCE THE DESIRED PSECT ORDERING.
          0008 179 : -
          0008 180 :
          0008 181 :
          0008 182 :
          0008 183 :
00000000 184 .PSECT SATSSF15,RD,WRT,EXE, LONG
```



```
0000 186 .SBTTL SATSSF15
0000 187 :++
0000 188 : FUNCTIONAL DESCRIPTION:
0000 189 :
0000 190 : AFTER PERFORMING SOME INITIAL HOUSEKEEPING, SUCH AS
0000 191 : PRINTING THE MODULE BEGIN MESSAGE AND ACQUIRING ALL PRIVILEGES,
0000 192 : THE SATSSF15 ROUTINE EXECUTES THE TEST SERV EXEC MACRO TO RUN
0000 193 : ALL TEST CASES. WHEN THE MACRO COMPLETES ITS EXECUTION, SATSSF15
0000 194 : PRINTS A TEST MODULE SUCCESS OR FAIL MESSAGE AND EXITS TO THE
0000 195 : OPERATING SYSTEM. TEST SERV EXEC CALLS THE TC CONTROL/TESTSERV
0000 196 : CO-ROUTINE PAIR ONCE PER TEST CASE GROUP TO EXECUTE ALL TEST
0000 197 : CASES IN THAT GROUP. EACH TEST CASE GROUP IS DEFINED BY BOUNDING
0000 198 : ITS TEST CASES WITH A TC GROUP MACRO BEFORE THE FIRST TEST CASE
0000 199 : AND A TCEND MACRO AFTER THE LAST ONE. THE TEST CASES THEMSELVES
0000 200 : ARE DEFINED WITHIN THESE BOUNDS BY PRECEDING EACH WITH A
0000 201 : NEXT TEST CASE MACRO. TC CONTROL/TESTSERV EXECUTES THE CODE
0000 202 : FOLLOWING EACH NEXT TEST CASE MACRO IMMEDIATELY BEFORE ISSUING
0000 203 : THE SYSTEM SERVICE AS REQUESTED IN THE TESTSERV MACRO. TC CONTROL/
0000 204 : TESTSERV ALSO CHECKS THE RESULTS OF THE SERVICE WITH RESPECT
0000 205 : TO ITS EXPECTED STATUS CODE AND PRINTS ANY REQUIRED FAILURE
0000 206 : MESSAGES FOR THE TEST CASE. THE CODE APPEARING AFTER EACH
0000 207 : NEXT TEST CASE MACRO IS MERELY TO SET UP CONDITIONS REQUIRED
0000 208 : FOR THE SYSTEM SERVICE AND TO CLEAN UP ANY RESOURCES ACQUIRED
0000 209 : BY THE PREVIOUS TEST CASE.
0000 210 :
0000 211 : CALLING SEQUENCE:
0000 212 :
0000 213 : $ RUN SATSSF15 ... (DCL COMMAND)
0000 214 :
0000 215 : INPUT PARAMETERS:
0000 216 :
0000 217 : NONE
0000 218 :
0000 219 : IMPLICIT INPUTS:
0000 220 :
0000 221 : NONE
0000 222 :
0000 223 : OUTPUT PARAMETERS:
0000 224 :
0000 225 : NONE
0000 226 :
0000 227 : IMPLICIT OUTPUTS:
0000 228 :
0000 229 : MESSAGES TO SYS$OUTPUT ARE THE ONLY OUTPUT FROM SATSSF15.
0000 230 : THEY ARE OF THE FORM:
0000 231 :
0000 232 : %UETP-S-SATSMS, TEST MODULE SATSSF15 BEGUN ... (BEGIN MSG)
0000 233 : %UETP-S-SATSMS, TEST MODULE SATSSF15 SUCCESSFUL ... (END MSG)
0000 234 : %UETP-E-SATSMS, TEST MODULE SATSSF15 FAILED ... (END MSG)
0000 235 : %UETP-I-TEXT, ... (VARIABLE INFORMATION ABOUT A TEST MODULE FAILURE)
0000 236 :
0000 237 : COMPLETION CODES:
0000 238 :
0000 239 : THE SATSSF15 ROUTINE TERMINATES WITH A $EXIT TO THE
0000 240 : OPERATING SYSTEM WITH A STATUS CODE DEFINED BY UETPS_SATSMS.
0000 241 :
0000 242 : SIDE EFFECTS:
```

```
0000 243 :  
0000 244 : NONE  
0000 245 :  
0000 246 :--  
0000 247 :  
0000 248 :  
0000 249 :  
0000 250 SATSSF15:  
OFFC 0000 251 .WORD *M<R2,R3,R4,R5,R6,R7,R8,R9,R10,R11>  
0002 252 : ENTRY MASK  
0002 253 $WAKE S TPID : GET PID OF THIS PROCESS  
0011 254 $HIBER S : UNDO WAKE  
0018 255 $SETPRN_S TEST MOD NAME_D : SET PROCESS NAME  
BSBW MOD MSG PRINT : PRINT TEST MODULE BEGIN MSG  
0025 256 MOVAL TEST MOD_SUCC,TMD,ADDR : ASSUME END MSG WILL SHOW SUCCESS  
0028 257 INSV #SUCCESS,#0,#3,MOD_MSG_CODE : ADJUST STATUS CODE FOR SUCCESS  
0033 258 MODE TO,10$,KRNL,NOREGS : KERNEL MODE TO ACCESS PHD  
003C 259 MOVL @CTL$GL PHD,R9 : GET PROCESS HEADER ADDRESS  
0059 260 MOVAL PHD$Q,PRIVMSK(R9),PRIVMASK : GET PRIV MASK ADDRESS  
0060 261 MODE FROM,T0$ : GET BACK TO USER MODE  
0067 262 PRIV ADD,ALL : GET ALL PRIVILEGES  
0068 263 DISPSERV : SET UP DISPLAY INFO FOR TESTSERV  
0088 264 $SETPRT_S INADR=INADR, RETADR=RETADR, -  
021D 265 PROT=PROT, PRVPRT=PRVPRT  
021D 266 : SET NOACCESS PSECT :  
023E 267 : ... FOR NO USER ACCESS  
023E 268 BRW EXECUTE : GO EXECUTE ALL TEST CASES  
05A2 31 023E 269 TC_GROUP DCH,1,TS1  
0241 270 :  
0241 271 :  
0268 272 :  
0268 273 NEXT_TEST_CASE SFDCH20
```

```
0268 274 :  
0268 275 ++  
0268 276 *****  
0268 277 *  
0268 278 * TEST CASE NAME: SFDCH20  
0268 279 *  
0268 280 * SYSTEM SERVICE: DCLCMH  
0268 281 *  
0268 282 * ARGUMENT UNDER TEST: PRVHND_DCH20  
0268 283 *  
0268 284 * INPUT CONDITIONS:  
0268 285 * PREVIOUS HANDLER ADDRESS BUFFER AT LOCATION 1.  
0268 286 *  
0268 287 * EXPECTED RESULTS:  
0268 288 * 1) SYSTEM STATUS CODE: ACCVIO  
0268 289 * 2) REGISTERS R2 THROUGH FP UNCHANGED  
0268 290 *  
0268 291 *****  
0268 292 --  
0268 293 :  
0268 294 :  
0268 295 NEXT_TEST_CASE SFDCH21
```



```
0274 296 :
0274 297 ++
0274 298 *****
0274 299 *
0274 300 * TEST CASE NAME: SFDCH21
0274 301 *
0274 302 * SYSTEM SERVICE: DCLCMH
0274 303 *
0274 304 * ARGUMENT UNDER TEST: PRVHND_DCH21
0274 305 *
0274 306 * INPUT CONDITIONS:
0274 307 * PREVIOUS HANDLER ADDRESS BUFFER IN READ-ONLY PSECT.
0274 308 *
0274 309 * EXPECTED RESULTS:
0274 310 * 1) SYSTEM STATUS CODE: ACCVIO
0274 311 * 2) REGISTERS R2 THROUGH FP UNCHANGED
0274 312 *
0274 313 *****
0274 314 --
0274 315 :
0274 316 :
0274 317 NEXT_TEST_CASE SFDCH22
```

```
0280 318 :  
0280 319 :++  
0280 320 :*****  
0280 321 :*  
0280 322 :* TEST CASE NAME: SFDCH22  
0280 323 :*  
0280 324 :* SYSTEM SERVICE: DCLCMH  
0280 325 :*  
0280 326 :* ARGUMENT UNDER TEST: PRVHND_DCH22  
0280 327 :*  
0280 328 :* INPUT CONDITIONS:  
0280 329 :* PREVIOUS HANDLER ADDRESS BUFFER BEGINS IN ACCESSIBLE  
0280 330 :* PSECT, ENDS IN NON-ACCESSIBLE PSECT.  
0280 331 :*  
0280 332 :* EXPECTED RESULTS:  
0280 333 :* 1) SYSTEM STATUS CODE: ACCVIO  
0280 334 :* 2) REGISTERS R2 THROUGH FP UNCHANGED  
0280 335 :*  
0280 336 :*****  
0280 337 :--  
0280 338 :  
0280 339 :  
0280 340 : TCEND
```

SATSSF15
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. ^{B 15} 16-SEP-1984 00:43:20 VAX/VMS Macro V04-00 Page 11
5-SEP-1984 04:29:21 [UETPSY.SRC]SATSSF15.MAR;1 (1)

0281	341 :		
0281	342 :	TC_GROUP	CEH,1,TS2
02A8	343 :		
02A8	344 :	NEXT_TEST_CASE	SFCEH10


```
02A8 345 :  
02A8 346 ++  
02A8 347 *****  
02A8 348 *  
02A8 349 * TEST CASE NAME: SFCEH10  
02A8 350 *  
02A8 351 * SYSTEM SERVICE: CANEXH  
02A8 352 *  
02A8 353 * ARGUMENT UNDER TEST: DESBLK_CEH10  
02A8 354 *  
02A8 355 * INPUT CONDITIONS:  
02A8 356 * SPECIFIED EXIT HANDLER NEVER DECLARED  
02A8 357 * WITH A $DCLEXH SYSTEM SERVICE.  
02A8 358 *  
02A8 359 * EXPECTED RESULTS:  
02A8 360 * 1) SYSTEM STATUS CODE: NOHANDLER  
02A8 361 * 2) REGISTERS R2 THROUGH FP UNCHANGED  
02A8 362 *  
02A8 363 *****  
02A8 364 --  
02A8 365 :  
02A8 366 :  
02A8 367 TCEND
```

SATSSF15
V04-000

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:43:20 VAX/VMS Macro V04-00 Page 13
5-SEP-1984 04:29:21 [UETPSY.SRC]SATSSF15.MAR;1 (1)

02A9	368 :		
02A9	369 :	TC_GROUP	ADS,1,TS3
02D0	370 :		
02D0	371 :	NEXT_TEST_CASE	SFADS10

```
02D0 372 :
02D0 373 ++
02D0 374 *****
02D0 375 *
02D0 376 * TEST CASE NAME: SFADS10
02D0 377 *
02D0 378 * SYSTEM SERVICE: ADJSTK
02D0 379 *
02D0 380 * ARGUMENT UNDER TEST: ACMODE_ADS10
02D0 381 *
02D0 382 * INPUT CONDITIONS:
02D0 383 * ATTEMPT TO ADJUST SUPERVISOR STACK
02D0 384 *
02D0 385 * EXPECTED RESULTS:
02D0 386 * 1) SYSTEM STATUS CODE: NOPRIV
02D0 387 * 2) REGISTERS R2 THROUGH FP UNCHANGED
02D0 388 *
02D0 389 *****
02D0 390 --
02D0 391 :
02D0 392 :
02D0 393 NEXT_TEST_CASE SFADS11
```



```
02DC 394 :
02DC 395 :+
02DC 396 :*****
02DC 397 :*
02DC 398 :* TEST CASE NAME: SFADS11
02DC 399 :*
02DC 400 :* SYSTEM SERVICE: ADJSTK
02DC 401 :*
02DC 402 :* ARGUMENT UNDER TEST: ACMODE_ADS11
02DC 403 :*
02DC 404 :* INPUT CONDITIONS:
02DC 405 :* ATTEMPT TO ADJUST EXECUTIVE STACK.
02DC 406 :*
02DC 407 :* EXPECTED RESULTS:
02DC 408 :* 1) SYSTEM STATUS CODE: NOPRIV
02DC 409 :* 2) REGISTERS R2 THROUGH FP UNCHANGED
02DC 410 :*
02DC 411 :*****
02DC 412 :--
02DC 413 :
02DC 414 :
02DC 415 : NEXT_TEST_CASE SFADS12
```

```
02E8 416 :  
02E8 417 ++  
02E8 418 *****  
02E8 419 *  
02E8 420 * TEST CASE NAME: SFADS12  
02E8 421 *  
02E8 422 * SYSTEM SERVICE: ADJSTK  
02E8 423 *  
02E8 424 * ARGUMENT UNDER TEST: ACMODE_ADS12  
02E8 425 *  
02E8 426 * INPUT CONDITIONS:  
02E8 427 * ATTEMPT TO ADJUST KERNEL STACK.  
02E8 428 *  
02E8 429 * EXPECTED RESULTS:  
02E8 430 * 1) SYSTEM STATUS CODE: NOPRIV  
02E8 431 * 2) REGISTERS R2 THROUGH FP UNCHANGED  
02E8 432 *  
02E8 433 *****  
02E8 434 --  
02E8 435 :  
02E8 436 :  
02E8 437 TCEND
```

```

02FE9 438 TS1:
02FE9 439 TESTSERV DCLCMH,ERR,SATS,
02FE9 440
02FE9 441 <1,ADDRES_DCH,
02FE9 442
02FE9 443 >,
02FE9 444
02FE9 445 <1,PRVHND_DCH,
02FE9 446 PRVHND_DCH20,ACCVIO, - : SFDCH20
02FE9 447 PRVHND_DCH21,ACCVIO, - : SFDCH21
02FE9 448 PRVHND_DCH22,ACCVIO, - : SFDCH22
02FE9 449 >,
02FE9 450
02FE9 451 <1,TYPE_DCH,
02FE9 452
02FE9 453 >,
04D3 TS_CLEANUP ; CLEAN UP & RETURN TO TEST_SERV_EXEC

```


SATSSF15
V04-000

1 15

- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:43:20 VAX/VMS Macro V04-00 Page 18
5-SEP-1984 04:29:21 [UETPSY.SRC]SATSSF15.MAR;1 (1)

04F3	454	TS2:				
04F3	455		TESTSERV	CANEXH,ERR,SATS,		-
04F3	456					-
04F3	457		<1,DESBK_CEH,			-
04F3	458			DESBK_CEH10,NOHANDLER, - ,; SFCEH10		-
04F3	459					-
04F3	460					-
05B6	461		TS_CLEANUP		; CLEAN UP & RETURN TO TEST_SERV_EXEC	

```

05D6 462 TS3:
05D6 463 TESTSERV      ADJSTK,ERR,SATS,
05D6 464
05D6 465      <1,ACMODE_ADS,
05D6 466      ACMODE_ADS10,NOPRIV, - ; SFADS10
05D6 467      ACMODE_ADS11,NOPRIV, - ; SFADS11
05D6 468      ACMODE_ADS12,NOPRIV, - ; SFADS12
05D6 469      >,
05D6 470
05D6 471      <1,ADJUST_ADS,
05D6 472      >,
05D6 473
05D6 474      <1,NEWADR_ADS,
05D6 475      >,
05D6 476
07C3 477 TS_CLEANUP      : CLEAN UP & RETURN TO TEST_SERV_EXEC

```

SATSSF15
V04-000

K 15
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:43:20 VAX/VMS Macro V04-00 Page 20
EXECUTE & CLEANUP 5-SEP-1984 04:29:21 [UETPSY.SRC]SATSSF15.MAR;1 (1)

00000044'EF	01	1C	0138	30	07E3	478	.SBTTL EXECUTE & CLEANUP
					07E3	479	EXECUTE:
					07E3	480	TEST_SERV_EXEC ; EXECUTE ALL T. CASES IN ALL GROUPS
					0801	481	CLEANUP:
					0801	482	BSBW MOD_MSG_PRINT ; PRINT TEST MODULE END MSG
					0804	483	INSV #1,STSV_INHIB_MSG,#1,MOD_MSG_CODE ; INHIBIT PRINTING
					080D	484	SEXIT_S MOD_MSG_CODE ; EXIT TO OP SYS WITH MSG CODE
					080D	485	

```
081A 487 .SBTTL TC_CONTROL
081A 488
081A 489 :++
081A 490 : FUNCTIONAL DESCRIPTION:
081A 491 :
081A 492 : THE TC CONTROL SUBROUTINE IS CALLED BY THE TEST_SERV_EXEC
081A 493 : MACRO TO EXECUTE A GROUP OF TEST CASES. A GROUP IS DEFINED BY A TC_GROUP
081A 494 : MACRO. FOR EACH TC_GROUP MACRO, THERE IS A CORRESPONDING TESTSERV MACRO.
081A 495 : TESTSERV CONTAINS CODE TO EXECUTE SYSTEM SERVICES AND CHECK THE RETURNED
081A 496 : STATUS CODE VALUES. TESTSERV ARGUMENTS ARE CODED TO SPECIFY ALL THE SYSTEM
081A 497 : SERVICE ARGUMENT VALUES AND THE EXPECTED STATUS CODE FOR EACH TEST CASE
081A 498 : DEFINED BY A NEXT TEST CASE MACRO WITHIN THE GROUP. TC CONTROL USES A
081A 499 : CO-ROUTINE INTERFACE TO ENTER THE CODE OF THE APPROPRIATE TESTSERV MACRO
081A 500 : IN VARIOUS PLACES. THE FIRST ENTRY OCCURS ONCE PER GROUP TO ALLOW TESTSERV
081A 501 : TO DO SOME INITIALIZATION. THEN TWO ENTRIES ARE MADE FOR EACH TEST CASE IN
081A 502 : THE GROUP. THE FIRST ALLOWS TESTSERV TO ISSUE THE SUBJECT SYSTEM SERVICE.
081A 503 : THE SECOND ENTRY FOR THE TEST CASE CAUSES TESTSERV TO CHECK THE RETURNED
081A 504 : STATUS CODE, PRINTING A FAILURE MESSAGE IF IT IS NOT THE EXPECTED CODE.
081A 505 : IF THERE ARE NO MORE TEST CASES IN THE CURRENT GROUP, TESTSERV (NOT TC CONTROL)
081A 506 : RETURNS DIRECTLY TO TEST_SERV_EXEC (RSB ACTUALLY ISSUED IN TS_CLEANUP MACRO)
081A 507 : FROM THIS SECOND ENTRY; OTHERWISE, CONTROL RETURNS TO TC_CONTROL WHICH
081A 508 : IN TURN ENTERS TESTSERV AGAIN FOR THE NEXT TEST CASE. THE FAILURE OF A
081A 509 : TEST CASE DOES NOT CAUSE TERMINATION OF THE TEST MODULE.
081A 510 :
081A 511 : CALLING SEQUENCE:
081A 512 :
081A 513 : BSBW TC_CONTROL (ISSUED WITHIN THE TEST_SERV_EXEC MACRO)
081A 514 : (RSB IS ISSUED WITHIN THE TS_CLEANUP MACRO)
081A 515 :
081A 516 : INPUT PARAMETERS:
081A 517 :
081A 518 : NONE
081A 519 :
081A 520 : IMPLICIT INPUTS:
081A 521 :
081A 522 : ARGUMENTS SPECIFIED ON EACH TESTSERV MACRO MAY BE VIEWED AS
081A 523 : INPUTS, SINCE TC_CONTROL AND TESTSERV ACT AS CO-ROUTINES.
081A 524 :
081A 525 : OUTPUT PARAMETERS:
081A 526 :
081A 527 : SEVERITY CODE FIELD OF MOD MSG CODE (BITS 0,1,2) IS SET TO ERROR
081A 528 : IF ANY TEST CASE IN THE CURRENT GROUP FAILS; OTHERWISE IT REMAINS
081A 529 : SET TO SUCCESSFUL.
081A 530 :
081A 531 : IMPLICIT OUTPUTS:
081A 532 :
081A 533 : XUETP-I-TEXT, ERROR MESSAGES ARE WRITTEN TO SYSS$OUTPUT BY
081A 534 : THE TESTSERV MACRO (CO-ROUTINE WITH TC_CONTROL)
081A 535 :
081A 536 : COMPLETION CODES:
081A 537 :
081A 538 : NONE
081A 539 :
081A 540 : SIDE EFFECTS:
081A 541 :
081A 542 : NONE
081A 543 :--
```



```
00000064'EF DD 081A 544
9E 16 081A 545
00000056'EF 20 90 081A 546
002F 30 081A 547 TC_CONTROL:
00000004'FF 16 0820 548 PUSHL TS_EP
0037 30 0822 549 JSB @ (SP)+
9E 16 0822 550 10$: MOVB #^A/ /,$$TSTN$$+2
0042 30 0822 551 BSBW REG_SAVE
9E 16 0829 552 JSB @CURRENT_TC
0042 30 082C 553 BSBW REG_REST
9E 16 0832 554 JSB @ (SP)+
0042 30 0835 555 BSBW REG_COMP
9E 16 0837 556 JSB @ (SP)+
00000056'EF 2A 91 083A 557 CMPB #^A/* /,$$TSTN$$+2
DD 12 083A 558 BNEQU 10$
00000060'EF 00000088'EF DE 083C 559 TEST MOD_FAIL,TMD_ADDR
00000044'EF 03 00 02 FO 0843 560 MOVAL #ERROR,#0,#3,MOD_MSG_CODE
C7 11 0845 561 INSV 10$
0858 562 BRB 10$
0858 563
0858 564
0858 565
0858 566
: TC_CONTROL RETURNS TO TEST_SERV_EXEC VIA TESTSERV (IN TS_CLEANUP MACRO)
```

```
00000008'EF 7FFF 8F BB 085B 568 .SBTTL SUBROUTINES
              6E 3C 28 085B 569 REG_SAVE:
              7FFF 8F BA 085B 570 :
              05 085B 571 :
              085B 572 :
              085B 573 :
              085B 574 :
              085B 575 :
              085B 576 :
              085B 577 :
              085F 578 :
              0867 579 :
              086B 580 :
              086C 581 :
              086C 582 :
              086C 583 :
              086C 584 :
              086C 585 REG_REST:
              086C 586 :
              086C 587 :
              086C 588 :
              086C 589 :
              086C 590 :
              086C 591 :
              086C 592 :
              086C 593 :
              086C 594 :
              6E 00000008'EF 5E 3C C2 086C 595 :
              7FFF 8F BA 086F 596 :
              05 0877 597 :
              087B 597 :

              *****
              * SAVES R0 THRU SP IN REG_SAVE_AREA *
              *****

              PUSH  #R0_THRU_SP : SAVE ALL REGS ON STACK
              MOV  #60,(SP),REG_SAVE_AREA : SAVE REGS (BEFORE S.S.)
              POP  #R0_THRU_SP : CLEAN UP STACK
              RSB : .... AND RETURN

              *****
              * RESTORES R0 THRU SP FROM REG_SAVE_AREA *
              *****

              SUBL  #60,SP : MOVE SP TO MAKE ROOM FOR REGS
              MOV  #60,REG_SAVE_AREA,(SP) : MOVE REGS ONTO STACK FOR POP
              POP  #R0_THRU_SP : RESTORE ALL REGS FOR TESTSERV
              RSB : ... AND RETURN
```

```
087C 599 REG_COMP:
087C 600 :
087C 601 : *****
087C 602 : *
087C 603 : * 1) PUSHES ALL REGS ONTO STACK *
087C 604 : * 2) COMPARES REGISTER IMAGES FROM STACK WITH CORRESPONDING *
087C 605 : * IMAGES FROM REG_SAVE_AREA FOR ALL REGISTERS SPECIFIED *
087C 606 : * IN REG_COMP_MASK. *
087C 607 : * 3) FOR EACH UNEQUAL COMPARE, AN ERROR MESSAGE IS PRINTED *
087C 608 : * (USING $FAO AND $OUTPUT SYSTEM SERVICES). *
087C 609 : * 4) POPS ALL REGS OFF OF STACK *
087C 610 : *****
087C 611 :
087C 612 :
56 7FFF 8F BB 087C 613 PUSHR #R0_THRU_SP ; SAVE ALL REGISTERS ON STACK
00000008'EF DE 0880 614 MOVAL REG_SAVE_AREA,R6 ; POINT R6 TO BEG OF
54 5E D0 0887 615 ; ... REGS (BEFORE S.S.)
0887 616 MOVL SP,R4 ; POINT R4 TO BEG OF
53 FF 8F 9B 088A 617 ; ... REGS (AFTER S.S.)
088A 618 CVTBL #-1,R3 ; INITIALIZE REG_COMP_MASK INDEX
088E 619 REG_COMP NEXT:
53 53 D6 088E 620 INCL R3 ; POINT TO NEXT BIT IN MASK
53 0F 91 0890 621 CMPB #15,R3 ; END OF THE MASK ?
03 1A 0893 622 BGTRU REG_COMP_CONT ; NO -- CONTINUE
009F 31 0895 623 BRW REG_COMP_RSB ; YES -- GO TO COMMON RETURN
0898 624 REG_COMP CONT:
84 86 D1 0898 625 CMPL (R6)+,(R4)+ ; REG BEFORE = REG AFTER ?
F1 13 089B 626 BEQLU REG_COMP_NEXT ; YES -- LOOK FOR NEXT REG
E9 00000000'EF 53 E1 089D 627 BBC R3,REG_COMP_MASK,REG_COMP_NEXT
00000048'EF 53 D0 08A5 628 ; NO -- GET NEXT IF BIT NOT SET
0000004C'EF FC A6 D0 08AC 630 MOVL R3,CLOB_REG_NO ; NO -- GIVE REG NUMBER TO FAO
00000050'EF FC A4 D0 08B4 631 MOVL -4(R6),REG_BEFORE_SS ; GIVE 'BEFORE' CONTENTS TO FAO
00000056'EF 2A 90 08BC 632 MOVL -4(R4),REG_AFTER_SS ; GIVE 'AFTER' CONTENTS TO FAO
08C3 633 MOVB #A/+/,$$TSTN$$+2 ; GIVE FAILURE INDIC'N IN ERROR MSG
08C3 634 : $FAO_S ERR_MSG FAOCTL,OUTL,OUTD,$$SNAD$$, -
08C3 635 : $$ASEQ$$,$$PSEQ$$,CLOB_REG_NO,REG_BEFORE_SS,REG_AFTER_SS
08F6 636 :
F817 CF F7E1 CF B0 08F6 637 MOVW OUTL,OUTD ; ACTUAL OUTPUT LEN IN STRING DESC'R
08FD 638 PUTMSG <#UETPS TEXT,#1,#OUTD> ; PRINT THE MSG
F7FB CF 0084 8F B0 0912 639 MOVW #OUTE-OUTB,OUTD ; GET MAX LEN BACK INTO DESCRIPTOR
00000056'EF 20 90 0919 640 MOVB #A/ /,$$TSTN$$+2 ; REMOVE FAIL INDIC'N FOR NEXT MSG
00000060'EF 0000008B'EF DE 0920 641 MOVAL TEST_MOD_FAIL,TMD_ADDR ; INDICATE FAILED IN END MSG
00000044'EF 03 00 02 F0 092B 642 INSV #ERROR,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR ERROR
FF57 31 0934 643 BRW REG_COMP_NEXT ; GO LOOK FOR NEXT REG TO COMPARE
0937 644 REG_COMP_RSB:
7FFF 8F BA 0937 645 POPR #R0_THRU_SP ; CLEAN UP STACK
05 093B 646 RSB ; RETURN TO CALLER
```

```
093C 648 MOD_MSG_PRINT:
093C 649 :
093C 650 : *****
093C 651 : *
093C 652 : * PRINTS THE TEST MODULE BEGUN/SUCCESSFUL/FAILED MESSAGES *
093C 653 : * (USING THE PUTMSG MACRO). *
093C 654 : *
093C 655 : *****
```



```

05 093C 657 :
    093C 658 : PUTMSG <MOD_MSG_CODE,#2,TMN_ADDR,TMD_ADDR> : PRINT MSG
    0957 659 : RSB ; ... AND RETURN TO CALLER
    0958 660 :
    0958 661 : CHMRTN:
    0958 662 : *****
    0958 663 : *
    0958 664 : * CHANGE MODE ROUTINE. THIS ROUTINE GETS CONTROL WHENEVER
    0958 665 : * A CMKRN, CMEXEC, OR CMSUP SYSTEM SERVICE IS ISSUED
    0958 666 : * BY THE MODE MACRO ('TO' OPTION). IT MERELY DOES
    0958 667 : * A JUMP INDIRECT ON A FIELD SET UP BY MODE. IT HAS
    0958 668 : * THE EFFECT OF RETURNING TO THE END OF THE MODE
    0958 669 : * MACRO EXPANSION.
    0958 670 : *
    0958 671 : *****
    0958 672 :
    00000079'FF 0000 0958 673 : .WORD 0 ; ENTRY MASK
    17 095A 674 : JMP @CHM_CONT ; RETURN TO MODE MACRO IN NEW MODE
    0960 675 :
    0960 676 : * RET INSTR WILL BE ISSUED IN EXPANSION OF 'MODE FROM, ....' MACRO
    0960 677 :
    0960 678 : .END SATSSF15

```

SATSSF15
Symbol table

E 16
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:43:20 VAX/VMS Macro V04-00
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```

$$$CHARS          = 00000048
$$$FIRSTTC$$$     = 00000000
$$$STRINGS        = 00000000
$$ACT$$           = 000000F3 R 06
$$ARG$$           = 000000FB R 06
$$ASEQ$$          = 000000EB R 06
$$CALL$$          = 000000DF R 06
$$DISP$$          = 000001E6 R 06
$$ERR$$           = 000001A0 R 06
$$EXP$$           = 000000F7 R 06
$$INIT$$          = 000000E3 R 06
$$MAXP$$          = 00000005
$$PSEQ$$          = 000000EF R 06
$$SNAD$$          = 000000E7 R 06
$$T1              = 00000004
$$T2              = 00000009
$$TSTN$$          = 00000054 R 03
ACMODE_ADS        = 000000C8 R 02
ACMODE_ADS10      = 000000CC R 02
ACMODE_ADS11      = 000000D0 R 02
ACMODE_ADS12      = 000000D4 R 02
ADDRS_DCH         = 000000BD R 02
ADJUST_ADS        = 000000D8 R 02
CHMRTN            = 00000958 R 06
CHM_CONT          = 00000079 R 03
CLEANUP           = 00000801 R 06
CLOB_REG_NO       = 00000048 R 03
CTLSGL_PRD        = ***** X 06
CURRENT_TC        = 00000004 R 03
DESBK_CEH         = 00000095 R 03
DESBK_CEH10       = 00000095 R 03
EMPTY             = 00000000 R 04
ERROR             = 00000002
ERR_MSG_FAOCTL    = 00000002 R 02
EXECUTE           = 000007E3 R 06
GRP_TOTAL         = 00000003
INADR             = 000000A9 R 02
INFO              = 00000003
LIB$SIGNAL        = ***** X 06
MEXIT             = 00000000
MOD_MSG_CODE      = 00000044 R 03
MOD_MSG_PRINT     = 0000093C R 06
NARGS            = 0000000E
NEWADR_ADS        = 000000AC R 03
NOACCESS          = 00000000 R 05
NSSARGS           = 00000003
ONES              = 000000B5 R 02
OUTB              = 0000011C R 06
OUTD              = 00000114 R 06
OUTE              = 000001A0 R 06
OUTL              = 000000DB R 06
PHD$Q_PRIVMSK     = 00000000
PRIVMSK           = 00000071 R 03
PRIV_ARGS         = 00000002
PROT              = 000000B1 R 02
PRT$C_NA          = ***** X 02
PRVHND_DCH        = 00000091 R 03

```

```

PRVHND_DCH20
PRVHND_DCH21
PRVHND_DCH22
PRVPRT
PSL$C_EXEC
PSL$C_KERNEL
PSL$C_SUPER
PSL$C_USER
RO_THRU_SP
REGS
REG_AFTER_SS
REG_BEFORE_SS
REG_COMP
REG_COMP_CONT
REG_COMP_MASK
REG_COMP_NEXT
REG_COMP_RSB
REG_REST
REG_SAVE
REG_SAVE_AREA
RETADR
SATSSF15
SEVERE
SHR$K_SHRDEF
SHR$ TEXT
SS$ ACCVIO
SS$ NOHANDLER
SS$ NOPRIV
ST$V INHIB_MSG
SUCCESS
SY$ADJSTK
SY$SCANEXH
SY$CMKRNL
SY$DCLCMH
SY$EXIT
SY$FAO
SY$FAOL
SY$HIBER
SY$SETPRN
SY$SETPRT
SY$SETPRV
SY$WAKE
TC1
TC2
TC3
TCG_NO
TC_CONTROL
TEST_MOD_BEG
TEST_MOD_FAIL
TEST_MOD_NAME
TEST_MOD_NAME_D
TEST_MOD_SUCC
TMD_ADDR
TMN_ADDR
TPID
TS1
TS2

```

```

= 00000001
000000C0 R 02
= 000001FF R 04
00000070 R 03
= 00000001
= 00000000
= 00000002
= 00000003
= 00007FFF
0000007D R 03
00000050 R 03
0000004C R 03
0000087C R 06
00000898 R 06
00000000 R 02
0000088E R 06
00000937 R 06
0000086C R 06
0000085B R 06
00000008 R 03
00000068 R 03
00000000 R 06
= 00000004
= 00000001
= 00001130
***** X 06
***** X 06
***** X 06
= 0000001C
= 00000001
***** GX 06
***** GX 06
***** GX 06
***** GX 06
***** GX 06
***** X 06
***** GX 06
***** GX 06
***** GX 06
***** GX 06
***** GX 06
00000241 R 06
00000281 R 06
000002A9 R 06
= 00000003
0000081A R 06
00000077 R 02
00000088 R 02
0000006E R 02
0000008F R 02
0000007D R 02
00000060 R 03
0000005C R 03
00000000 R 03
000002E9 R 06
000004F3 R 06

```

SATSSF15
Symbol table

F 16
- SATS SYSTEM SERVICE TESTS (FAILING S. 16-SEP-1984 00:43:20 VAX/VMS Macro V04-00
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TS3 000005D6 R 06
TS_EP 00000064 R 03
TTNAME 0000009F R 02
TYPE_DCH 000000C4 R 02
UETPS_SATSMS = 007480D9
UETPS_TEXT = 00741133
WARNING = 00000000

! Psect synopsis !

PSECT name	Allocation	PSECT No.	Attributes
. ABS .	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
\$ABSS	00000000 (0.)	01 (1.)	NOPIC USR CON ABS LCL NOSHR EXE RD WRT NOVEC BYTE
RODATA	000000DC (220.)	02 (2.)	NOPIC USR CON REL LCL NOSHR NOEXE RD NOWRT NOVEC LONG
RWDATA	000000B0 (176.)	03 (3.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC BYTE
SATS_ACCVIO_1	00000200 (512.)	04 (4.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC PAGE
SATS_ACCVIO_2	00000200 (512.)	05 (5.)	NOPIC USR CON REL LCL NOSHR NOEXE RD WRT NOVEC PAGE
SATSSF15	00000960 (2400.)	06 (6.)	NOPIC USR CON REL LCL NOSHR EXE RD WRT NOVEC LONG

! Performance indicators !

Phase	Page faults	CPU Time	Elapsed Time
Initialization	31	00:00:00.07	00:00:00.29
Command processing	107	00:00:00.71	00:00:02.84
Pass 1	358	00:00:13.33	00:00:22.59
Symbol table sort	0	00:00:01.08	00:00:01.15
Pass 2	142	00:00:03.02	00:00:03.87
Symbol table output	16	00:00:00.12	00:00:00.12
Psect synopsis output	2	00:00:00.03	00:00:00.03
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	658	00:00:18.37	00:00:30.92

The working set limit was 1650 pages.
68551 bytes (134 pages) of virtual memory were used to buffer the intermediate code.
There were 40 pages of symbol table space allocated to hold 637 non-local and 88 local symbols.
678 source lines were read in Pass 1, producing 27 object records in Pass 2.
64 pages of virtual memory were used to define 48 macros.

! Macro library statistics !

Macro library name	Macros defined
_\$255\$DUA28:[SHRLIB]UETP.MLB;1	19
_\$255\$DUA28:[SYS.OBJ]LIB.MLB;1	2
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	21
TOTALS (all libraries)	42

1273 GETS were required to define 42 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSF15/OBJ=OBJ\$:SATSSF15 MSRC\$:SATSSF15/UPDATE=(ENH\$:SATSSF15)+EXECML\$/LIB+SHRLIB\$:UETP/LIB

0420 AH-BT13A-SE
VAX/VMS V4.0

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